

LS ANSWER 58 OF 575 CA COPYRIGHT 2004 ACS on STN
AN 136:122298 CA
ED Entered STN: 14 Feb 2002
TI Manufacture of plugging cement-barite-fly ash
mortar for casing of wells
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SO Russ., No pp. given
CODEN: RUXXE7

DT Patent
LA Russian
IC ICM E21B033-138
ICS E21B021-06
CC 58-3 (Cement, Concrete, and Related Building Materials)
Section cross-reference(s): 51

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RU 2161695	C2	20010110	RU 1998-122632	19981215
PRAI	RU 1998-122632		19981215		

AB New plugging mortar is used for drilling oil and gas wells in formations with abnormally high pressures within temp. range of 60-140.degree..
Grouting mortar contains Portland cement 15.38-25.74, barite 22.06-46.15, power station fly ashes 15.38-25.74 wt.%, and water in the balance. Portland cement is first mixed with fly ashes and resulting mixt. is then introduced into vacuum hydraulic mixer simultaneously with 70-80 wt. % of barite based on its projected amt. and water fed under pressure. The obtained slurry is stirred and hydraulically activated in hydraulic mixer. After addn. of the rest of barite, hydraulic activation of soln. is repeated several times at pressure of 8-12 MPa. The resulting grout has increased heat resistance and strength of cement stone.

ST plugging cement mortar fly ash barite oil well

IT Mortar